



Inverted-F PCB Layout Antenna Performance Test Report

2018.11.21

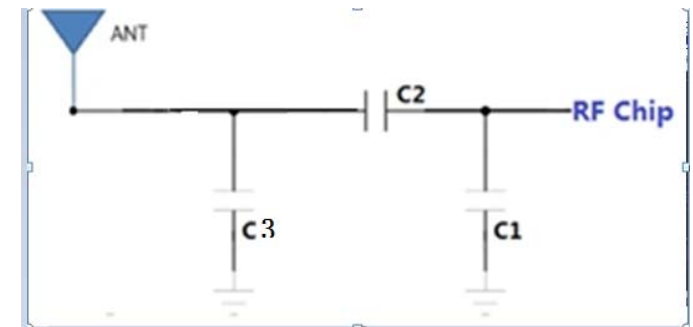
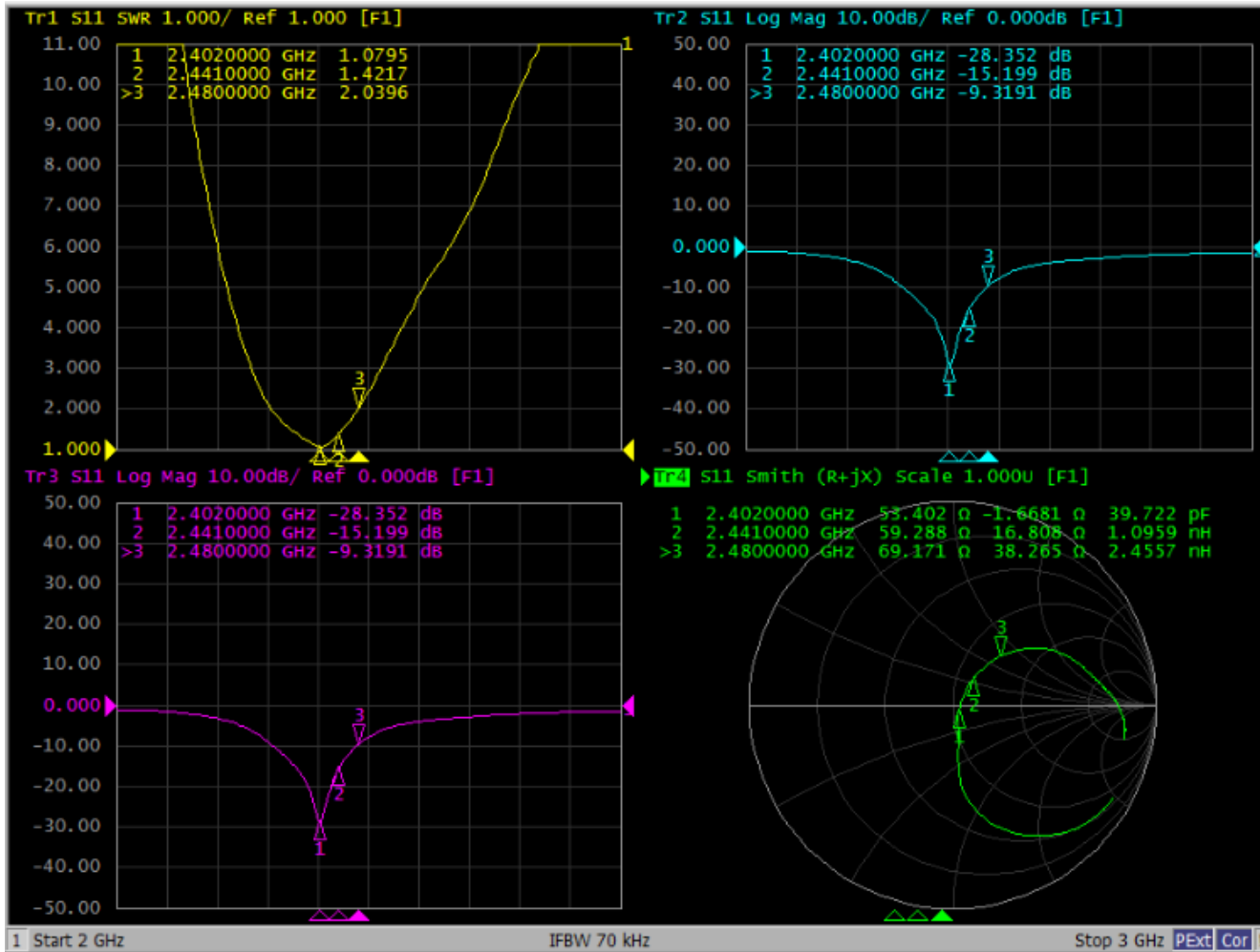
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Inverted-F PCB Layout Antenna PCB:



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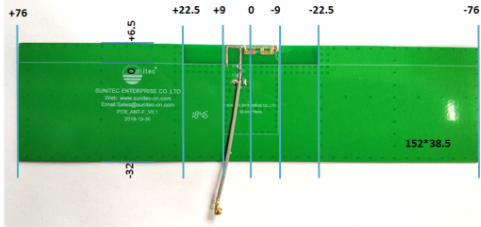
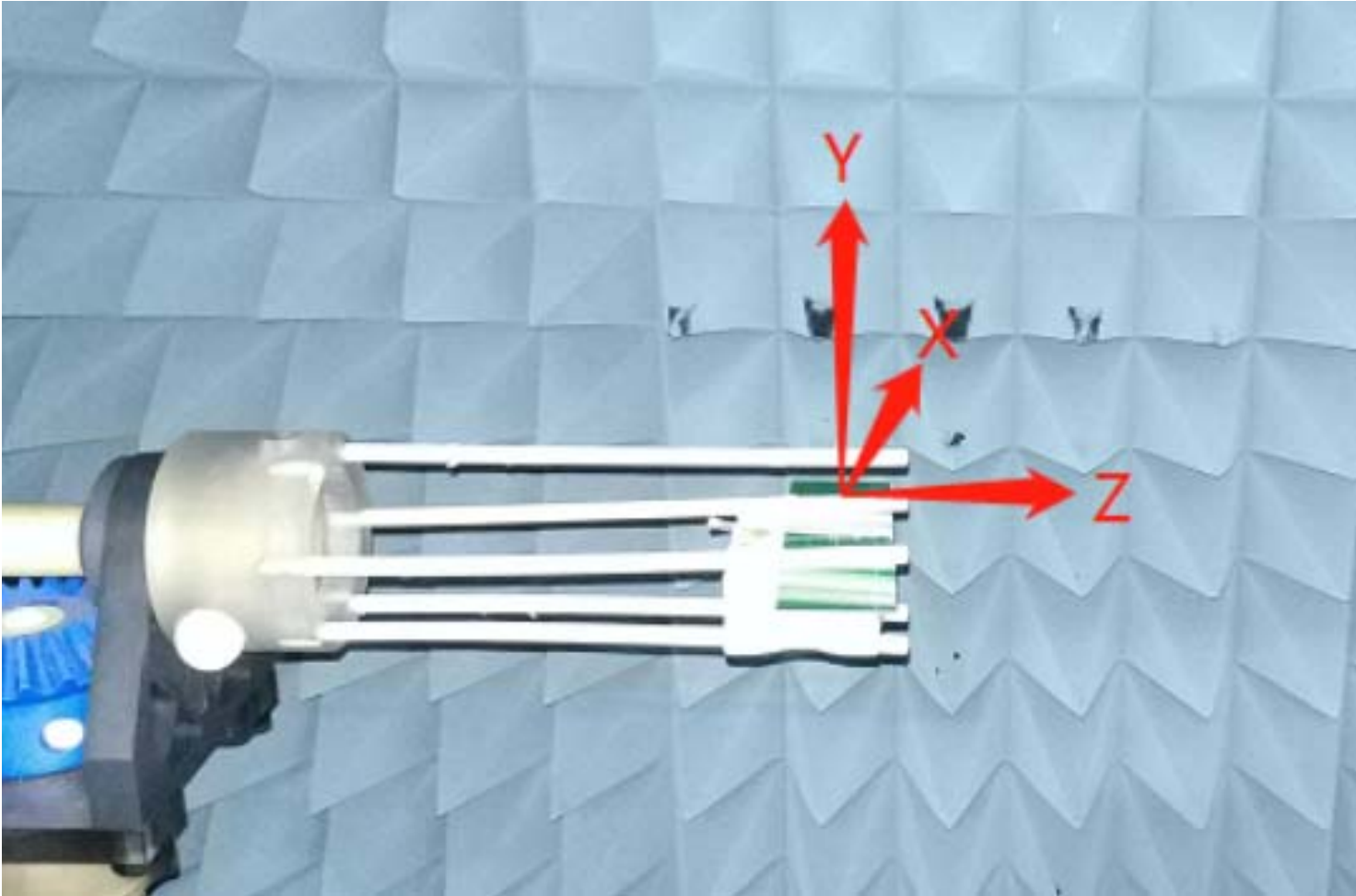
VSWR 、 Return loss and impedance :



Antenna matching: $C1 = N \text{CpF}$; $C2 = 4.7 \text{pF}$; $C3 = N \text{Cpf}$

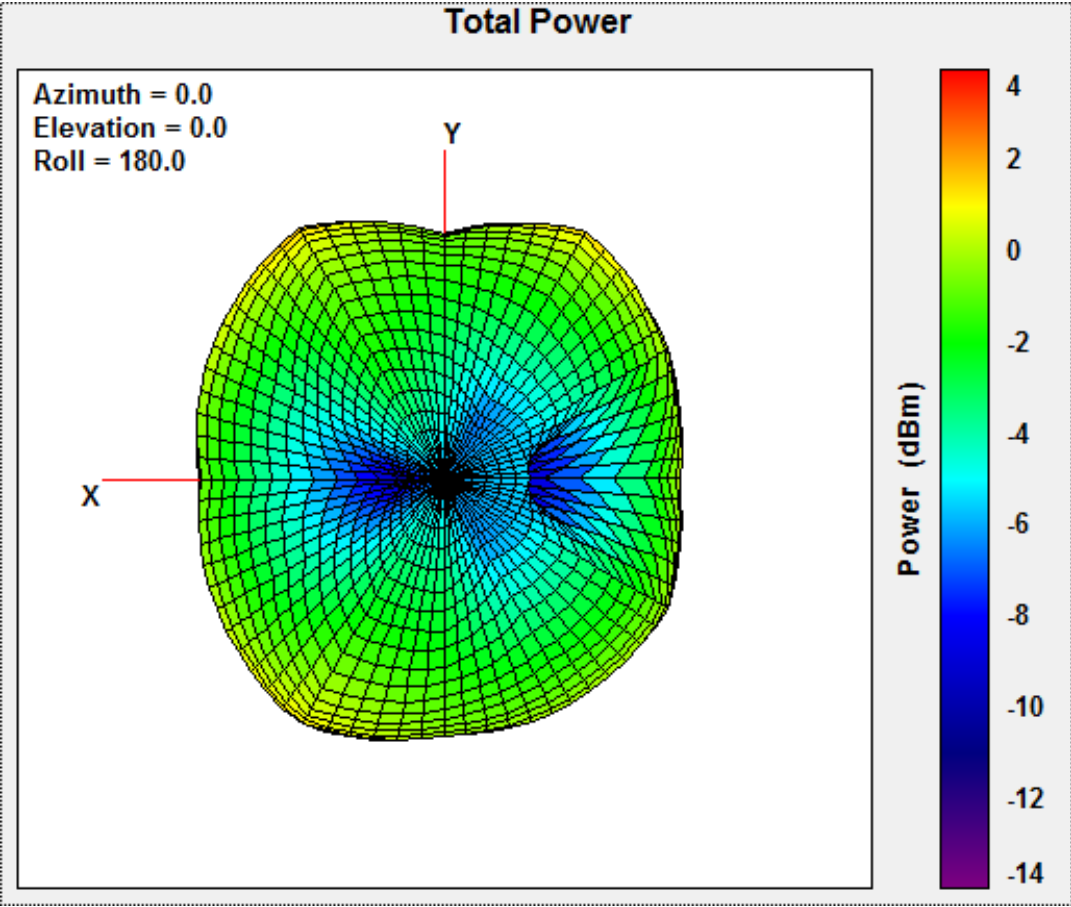
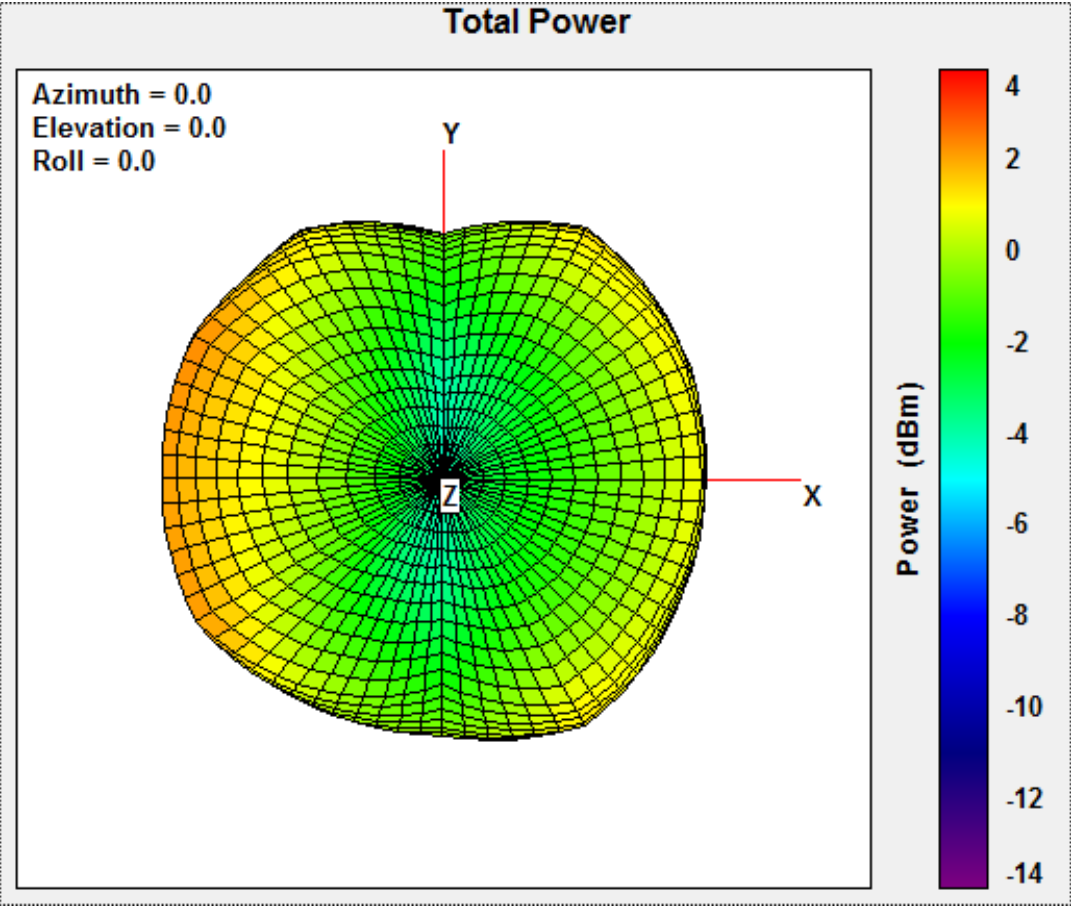
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Test Settings:

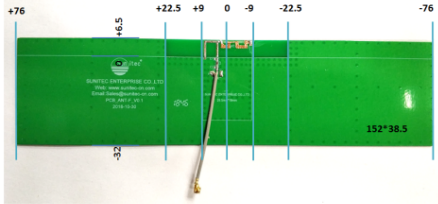


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2402MHz 3D Radiation Pattern :

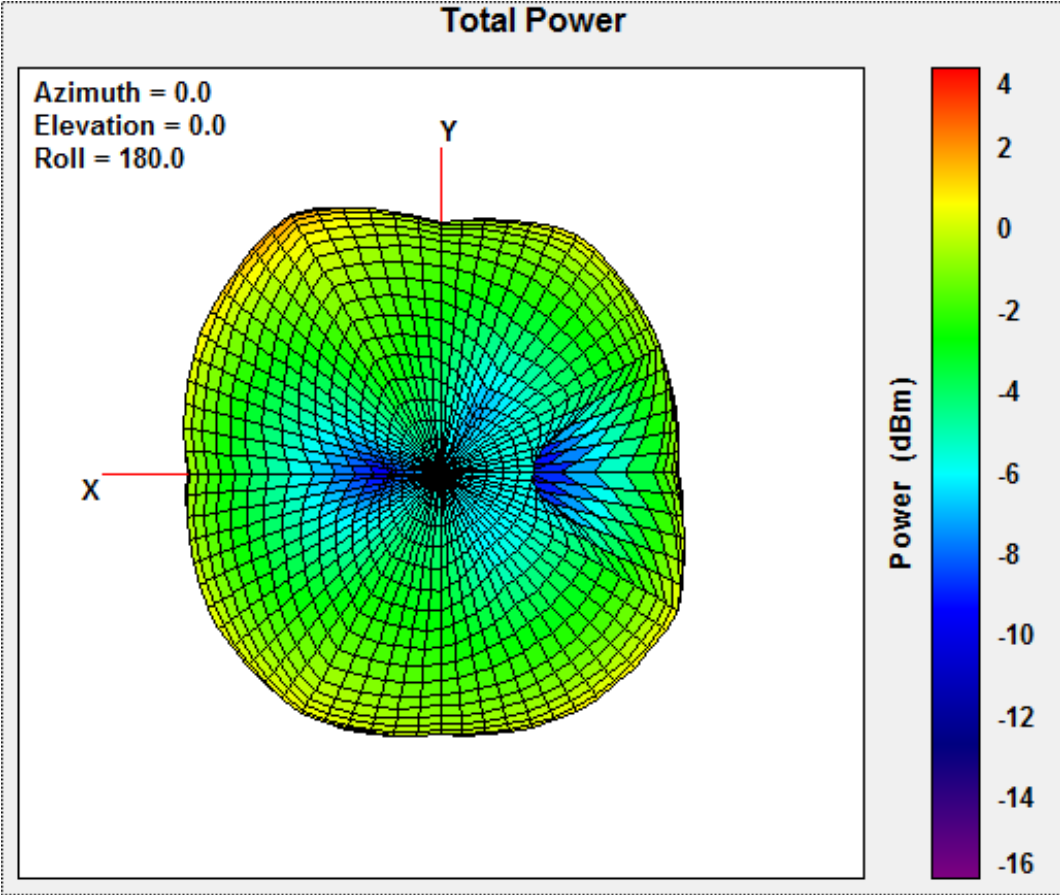
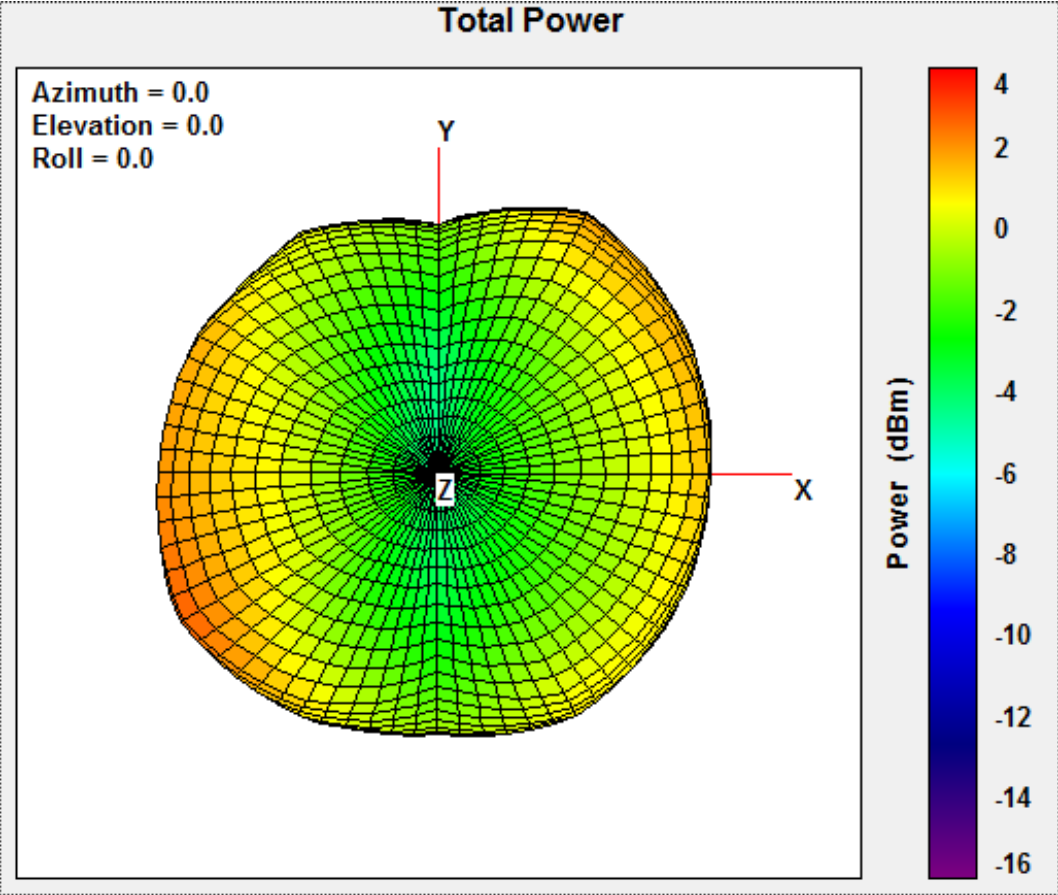


Frequency(MHZ)	Efficiency (%)	Gain (dBi)
2402MHz	83.59%	2.53dBi

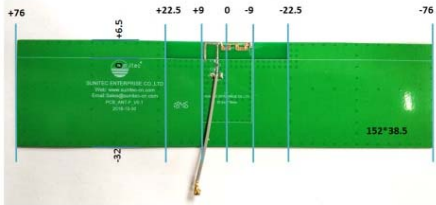


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2441MHz 3D Radiation Pattern :



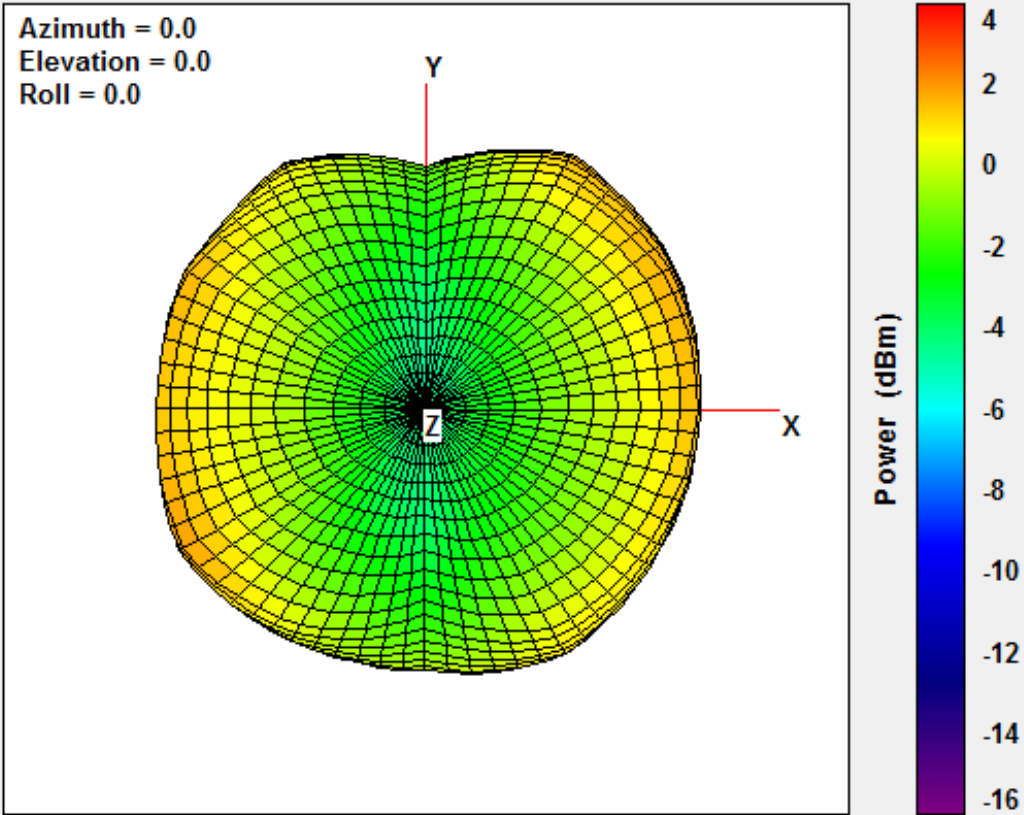
Frequency(MHZ)	Efficiency (%)	Gain (dBi)
2441MHz	85.40%	2.96dBi



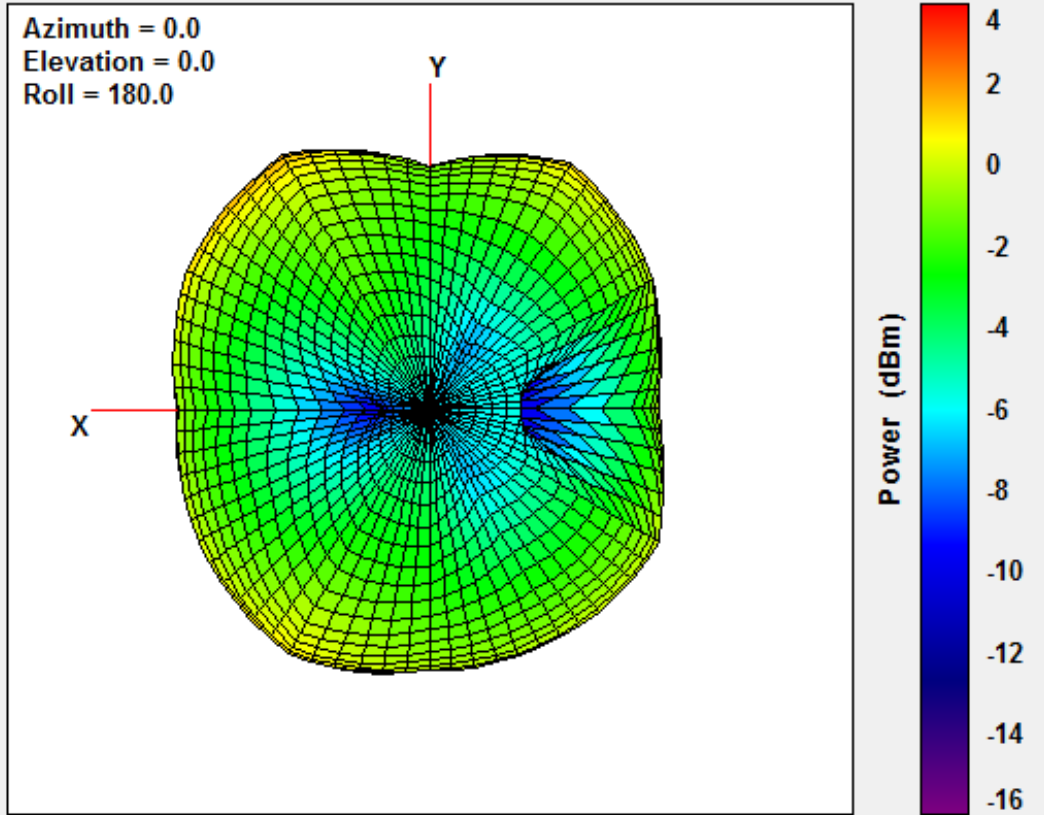
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2480MHz 3D Radiation Pattern :

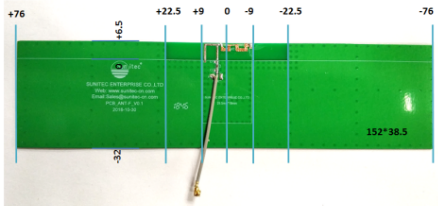
Total Power



Total Power



Frequency(MHz)	Efficiency (%)	Gain (dBi)
2480MHz	82.61%	2.10dBi



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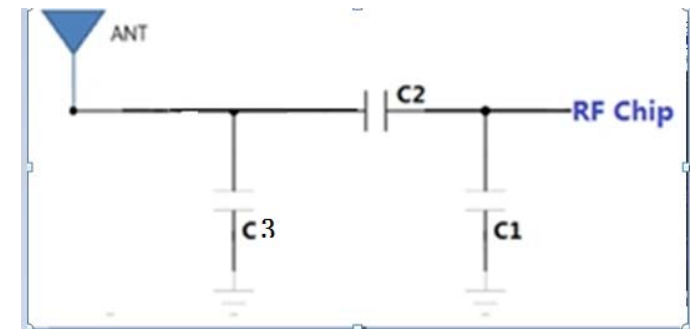
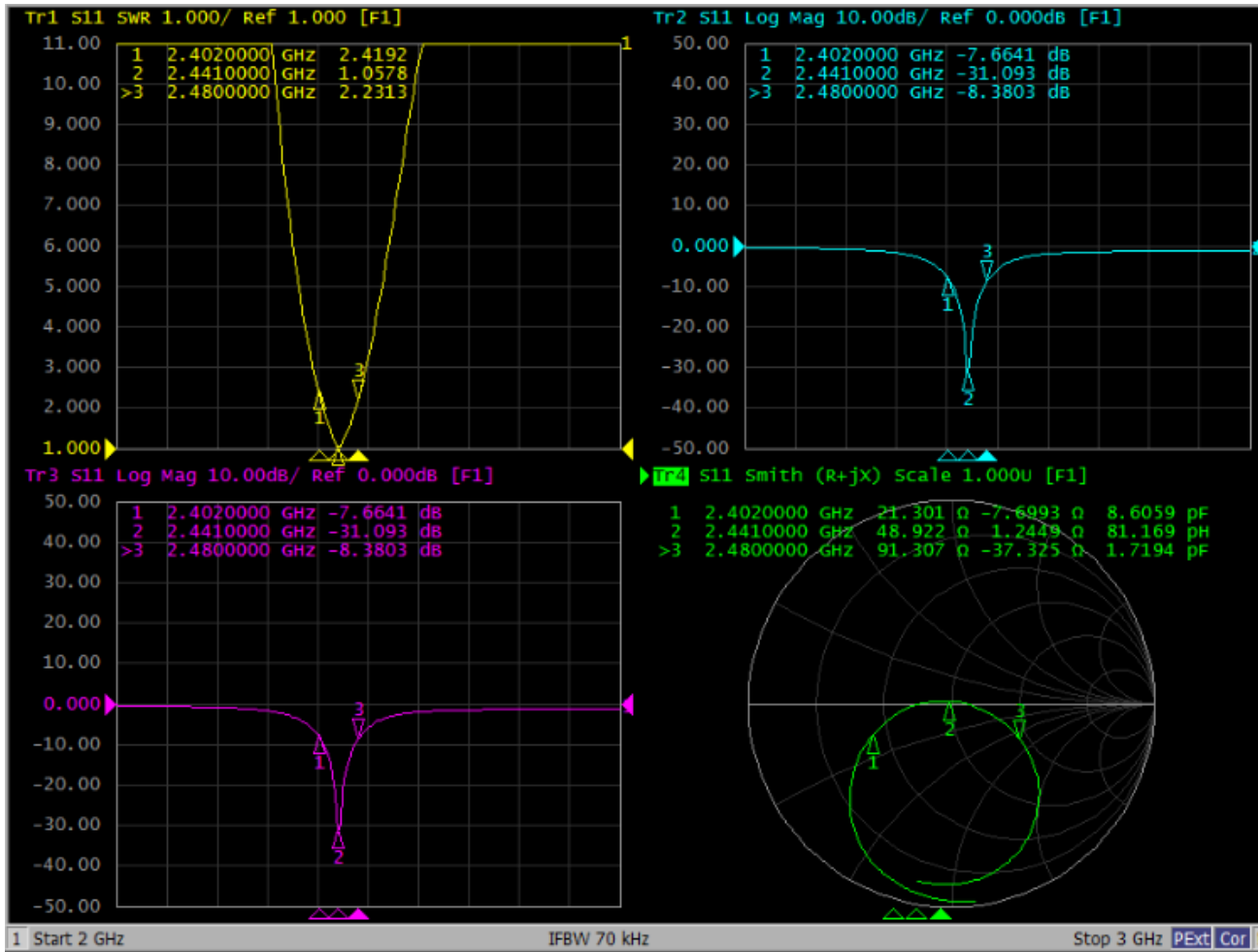
Efficiency and Gain test Data:

MAX Efficiency	85.43%@2.390GHz
MAX Gain	2.96dBi@2.441GHz



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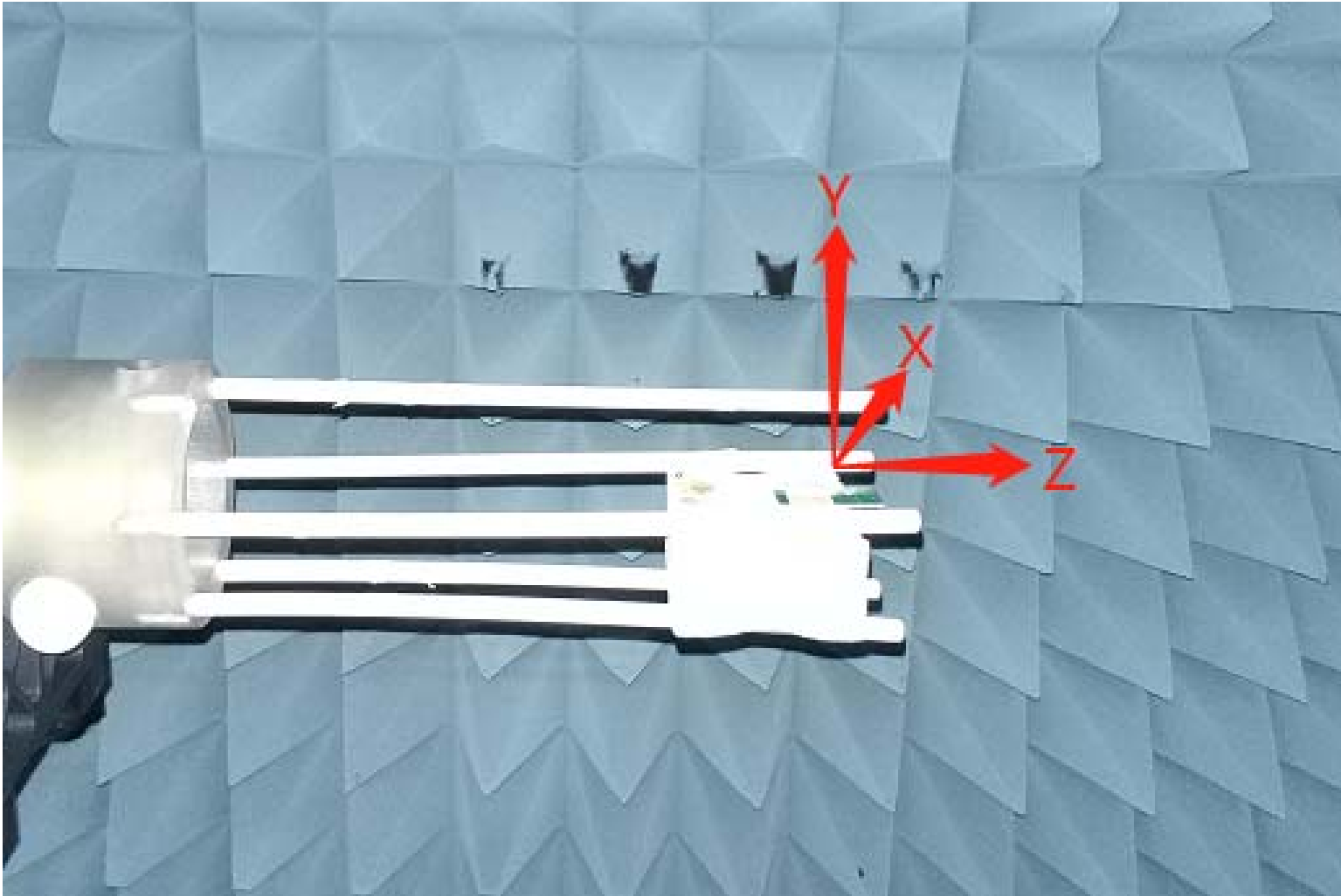
VSWR 、 Return loss and impedance :



Antenna matching: C1=0.7pF; C2=8.2NH; C3=NC

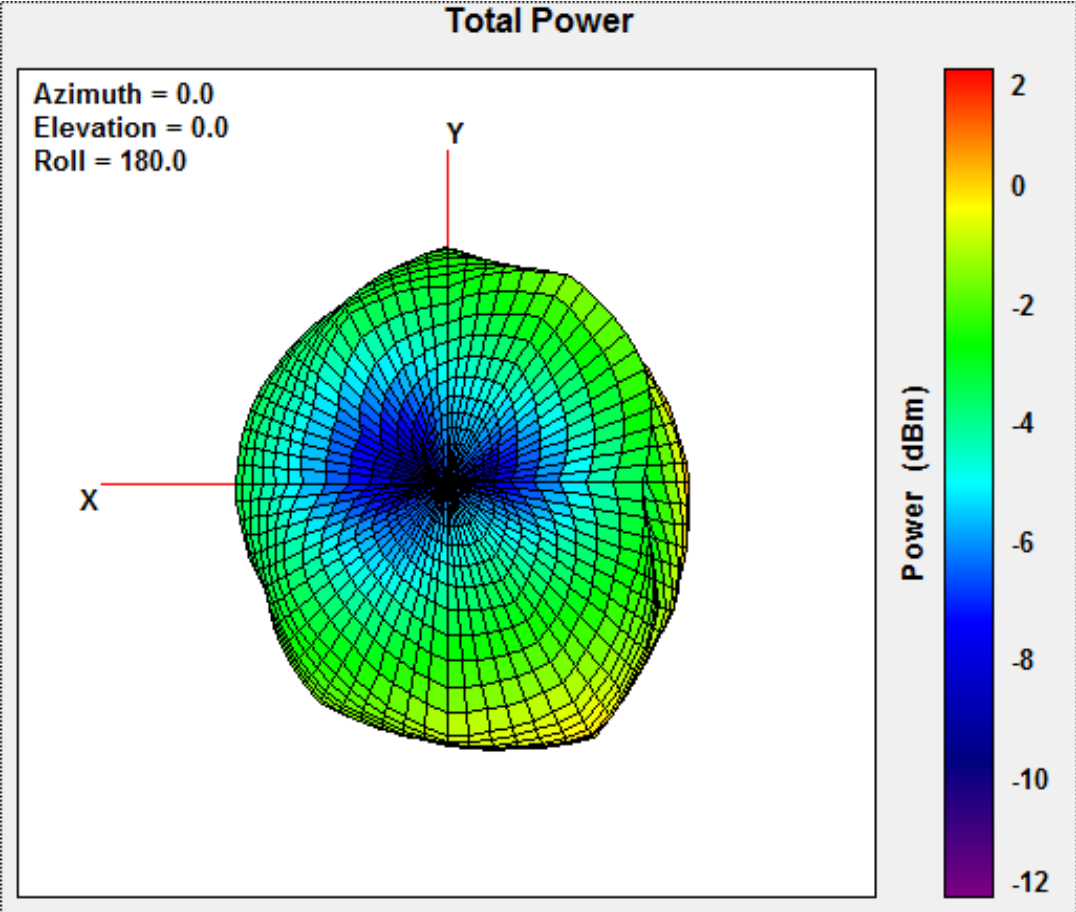
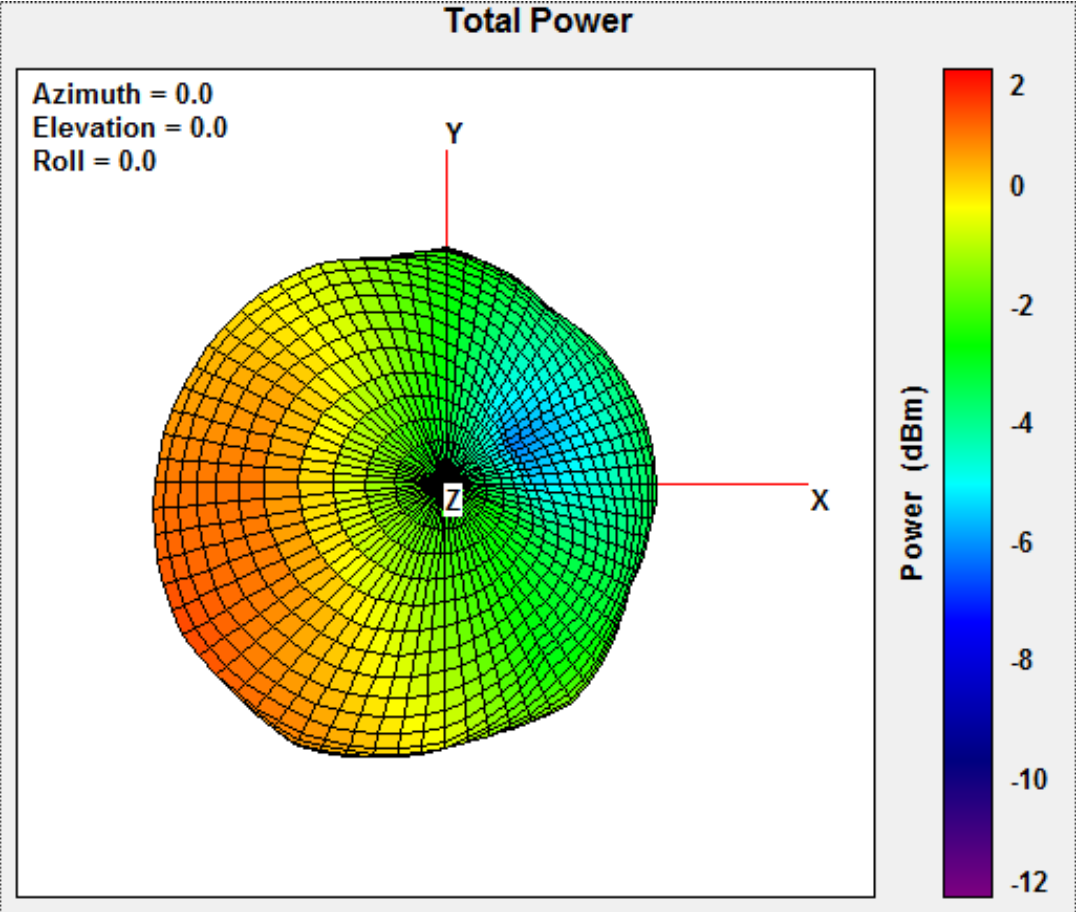
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Test Settings:

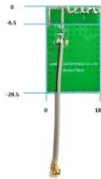


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2402MHz 3D Radiation Pattern :

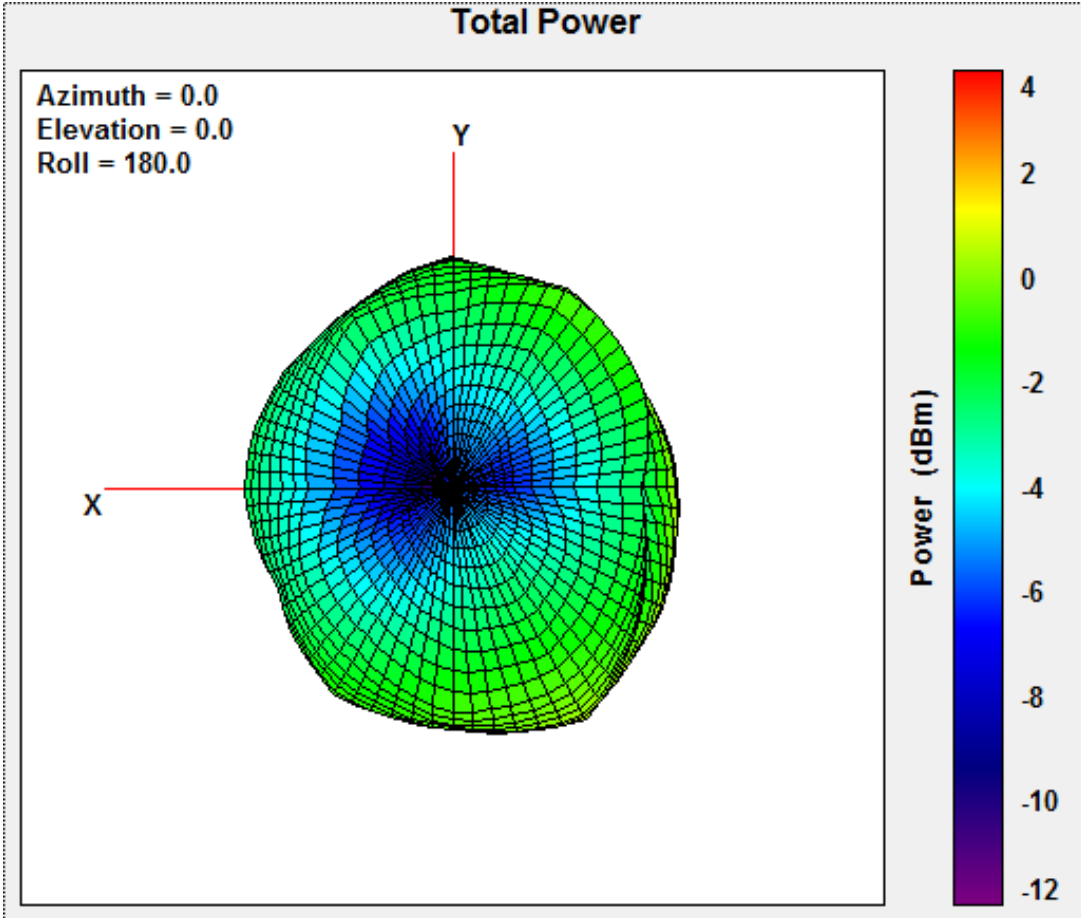
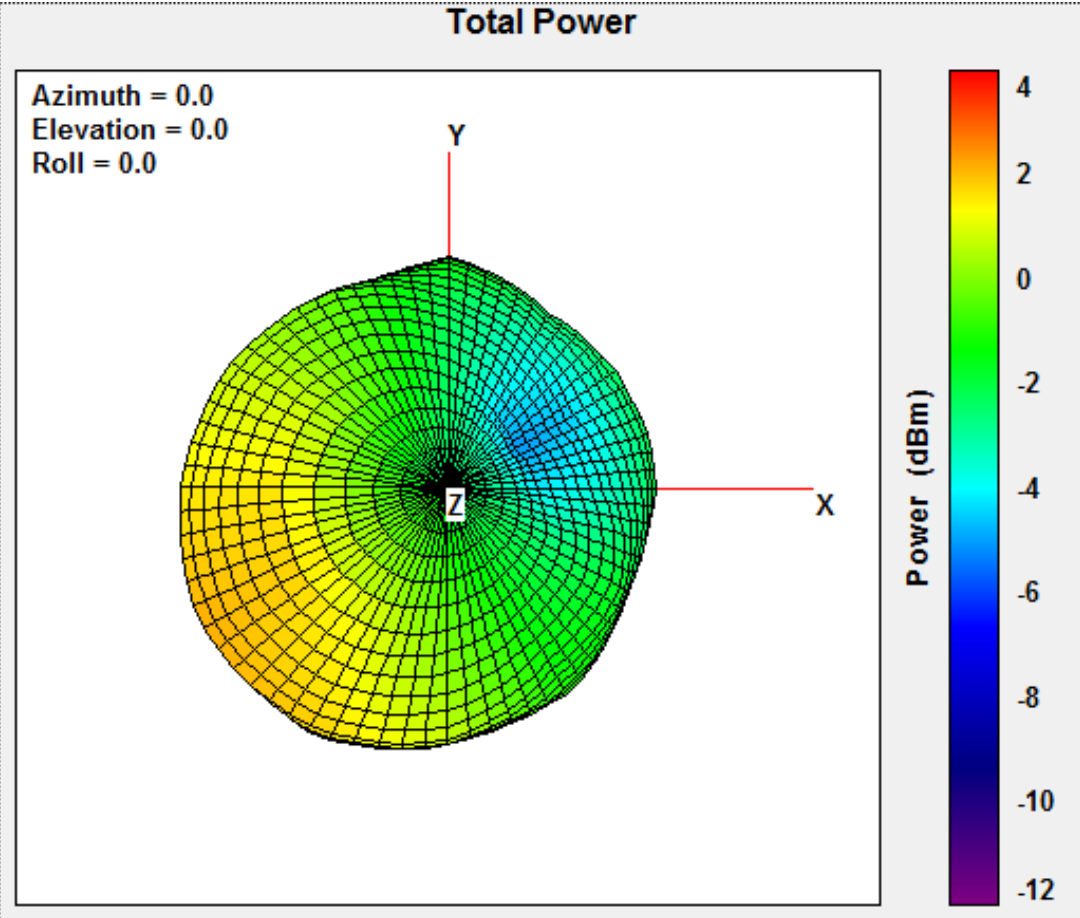


Frequency(MHZ)	Efficiency (%)	Gain (dBi)
2402MHz	57.66%	1.42dBi

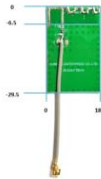


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2441MHz 3D Radiation Pattern :

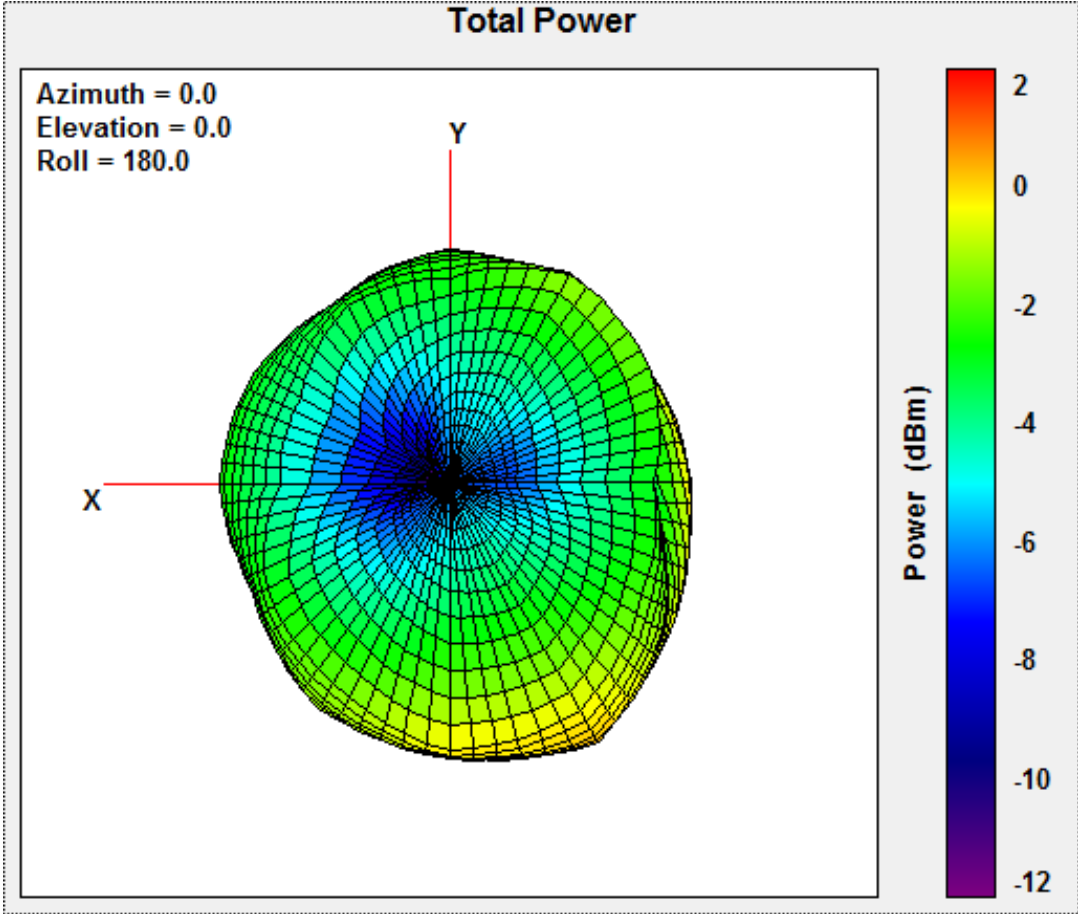
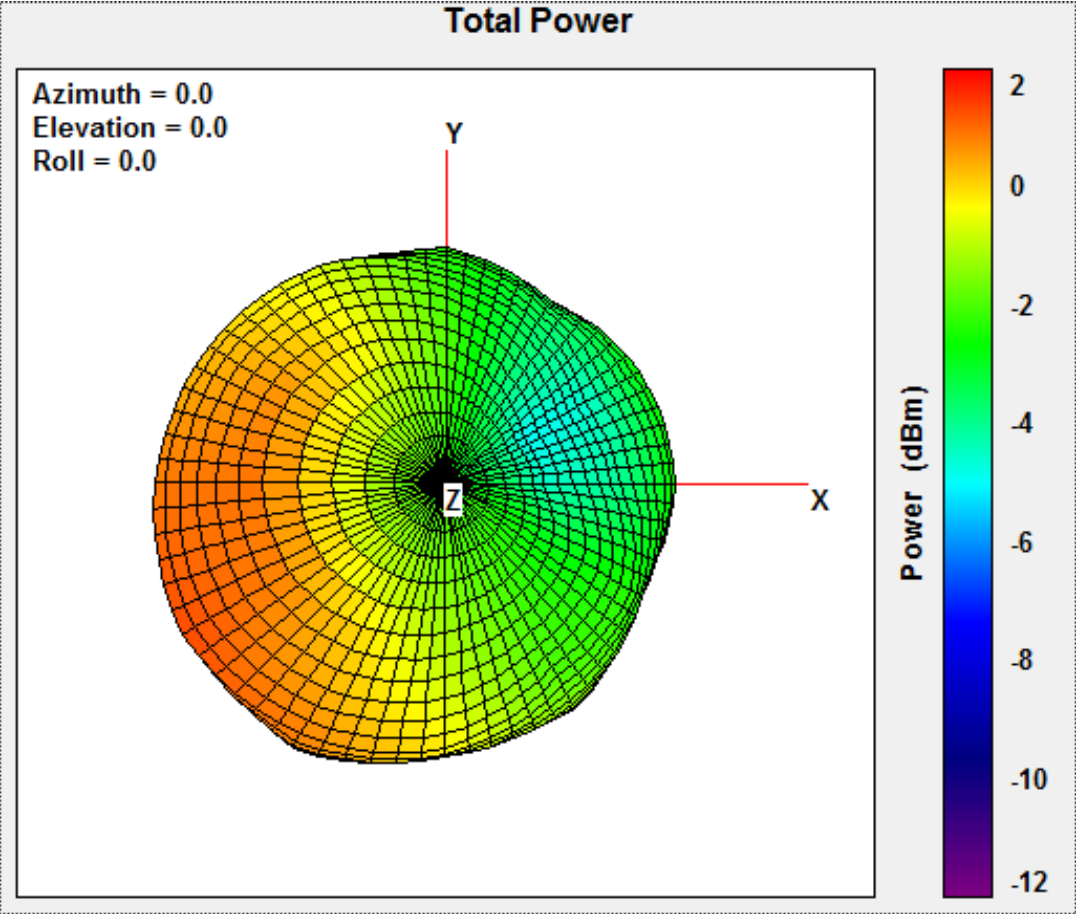


Frequency(MHZ)	Efficiency (%)	Gain (dBi)
2441MHz	69.25%	2.23dBi

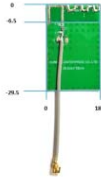


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2480MHz 3D Radiation Pattern :



Frequency(MHz)	Efficiency (%)	Gain (dBi)
2480MHz	62.47%	1.37dBi



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Efficiency and Gain test Data:

MAX Efficiency	69.65%@2.452GHz
MAX Gain	2.23dBi@2.439GHz